

Title (en)  
Improvements in and relating to load handling skates

Title (de)  
Verbesserungen von Lastförderwagen

Title (fr)  
Améliorations relatives à un chariot porte-charge

Publication  
**EP 1249364 A2 20021016 (EN)**

Application  
**EP 02252541 A 20020410**

Priority  
GB 0109192 A 20010412

Abstract (en)  
A load handling trolley for use in a channelled track and comprising at least one bogie (3) having rollers for supporting the trolley for longitudinal movement in the track, and a load engager (1) which is moveably mounted with respect to the at least one bogie for movement between raised and lowered positions. The load engager comprises an inverted channel section, and the at least one bogie has a pair of side frames (7). At least an upper part of the side frames is dimensioned to fit within the inverted channel section of the load engager, at least in the lowered position. In order to prevent wear of the track by contact of the load engager with the sides thereof, the trolley is provided with a plurality of rolling elements (31) positioned, in use, to engage with opposite sidewalls of the channelled track and the lower edges of the load engager have relieving (37) to accommodate the rolling elements when the load engager is in the lowered position.  
The trolley comprises at least one bogie (3) with supporting rollers (5) and a load engager (1). The load engager is movably mounted to at least one bogie for movement between raised and lowered positions. The load engager comprises an inverted channel section. At least one bogie has a pair of spaced side frames. The trolley is also provided with a plurality of rolling elements (31) that engage with the opposite side walls of the channelled track. The lower edges of the load engager are relieved in order to accommodate the rolling elements when the load engager is in the lowered position.

IPC 1-7  
**B60P 1/52**

IPC 8 full level  
**B60P 1/52** (2006.01); **B61B 13/00** (2006.01); **B65G 67/20** (2006.01); **B66C 11/00** (2006.01)

CPC (source: EP KR)  
**B60P 1/52** (2013.01 - EP); **B65G 67/20** (2013.01 - EP); **B66C 11/00** (2013.01 - KR)

Cited by  
CN112789230A; DE102012223956A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1249364 A2 20021016**; **EP 1249364 A3 20060208**; **EP 1249364 B1 20081119**; AT E414628 T1 20081215; DE 60229895 D1 20090102; GB 0109192 D0 20010530; JP 2002331926 A 20021119; KR 20020080275 A 20021023

DOCDB simple family (application)  
**EP 02252541 A 20020410**; AT 02252541 T 20020410; DE 60229895 T 20020410; GB 0109192 A 20010412; JP 2002108378 A 20020410; KR 20020020011 A 20020412